

Scale-Up Program Title	Project Description	Grade Levels	In School	Out of School	Previous Scale-Up	Proposer Organization	Proposer's Name	Contact Name
Pint Size Science	The Science Center of Iowa's "Pint Size Science" program provides a platform for young children ages 3 to 5 to explore science in a highly-engaging, interactive, and safe manner.	PK	X	X		SCI Proposal	Jim McWeeny	Leisha Barcus
STEM is Elementary	STEM is Elementary uses individualized professional development and STEM coaching to build capacity amongst elementary educators in developing and implementing rigorous, standards-based STEM programming.	PK-5	X			STEM is Elementary	Glory Oljace	Glory Oljace
STEMify Your Science Grades K-3	A professional development by Seela Science, an Iowa-based company, to help teachers recognize and incorporate STEM instruction to ALL disciplines of existing primary level science lessons.	K-3	X			"STEMify" your science Grades K-3	Dave Seela	Dave Seela
Hands-On Standards STEM in Action	Hands-On Standards STEM in Action is an integrated, hands-on, activity-based, supplemental STEM program that focuses on developing students' critical problem-solving skills through age appropriate collaborative engineering activities.	K-5	X			Scale-Up Program	Sue Jerik	Sue Jerik
Camp in a Can Show & Tell	Camp in a Can Show & Tell is an exciting, hands-on, all inclusive nature curriculum, professional development workshop and live animal presentation designed for after school and out-of-school time programs.	K-6		X	2013-2014	Camp in a Can Show & Tell	Monica Post	Monica Post
Carolina STEM Curriculum STC K-8	The STC Program (grades K-8) is a comprehensive, research-based inquiry curriculum of instructional units that explore life, earth, and physical sciences and technological design.	K-8	X	X	2013-2014	Carolina STEM STC K-8	Dylan Briggs	Dylan Briggs
A World in Motion	AWIM provides science, technology, engineering and math education through inquiry based real world engineering challenges designed for primary, elementary and middle school students.	K-8	X	X	2012-2014	SAE International A World In Motion	stacia wetherington	Stacia Wetherington
Engineering is Elementary	Engineering is Elementary is a research-based, standards-driven, and classroom-tested curriculum that integrates engineering and technology concepts and skills with elementary science topics.	1-6	X	X	2012-2014	EiE	Christopher Soldat	Christopher Soldat
STEM Fuse: IA K-12 Technology Education Initiative	STEM Fuse is offering ALL interested IA K-12 schools the opportunity to utilize our menu of standards aligned technology and computer science courses and take advantage of our correlating free teacher training and tech support at substantially reduced costs.	2-12	X			STEM Fuse	Summer Hagy	Summer Hagy
Integrated-STEM in Meaningful Contexts	Three distinct, federally-sponsored, STEM interventions in elementary, middle, and high school, authentically integrate science, mathematics, engineering, and technology in meaningful contexts (weather, 3D stereo, climate change) to meet standards-based classroom learning goals for Iowa.	3-12	X			Integrated-STEM in Meaningful Contexts	Glen Schuster	Glen Schuster
KidWind Renewable Energy STEM	KidWind's program introduces teachers and students to renewable energy STEM concepts: our REcharge Labs will bring effective training and resources to teachers across Iowa, while the KidWind Renewable Energy Festival and the Online Renewable Energy Challenge give students a hands-on application for the concepts they learn.	3-12	X		2012-2013	Renewable Energy in the Classroom	Michael Arquin	Michael Arquin

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Iowa STEM on the Go	A STEM program for the full year classroom, after-school use, or science camp utilizing foundational science lessons to enhance and develop the engineering and design challenges which finish each unit of instruction.	4-8	X	X		Iowa STEM on the Go	Dave Seela	Dave Seela
STEMify Your Science Grades 4-8	A Professional Development In-service presented by Seela Science, an Iowa-based company, to help teachers recognize and incorporate STEM instruction to all disciplines of existing intermediate level science lessons.	4-8	X			"STEMify" your science Grades 4-8	Dave Seela	Dave Seela
Booster Bag Math and Science	Booster Bag is an integrated science, technology, engineering, and math unit which uses simple introductory science and math lessons with a home-made rocket culminating in an engineering design challenge.	4-8	X	X		Booster Bag Math and Science	Dave Seela	Dave Seela
Project Lead The Way: Gateway	Funding will assist Iowa schools in implementing Project Lead The Way's Gateway program by providing funds for teacher training tuition and VEX kits.	6-8	X		2013-2014	Project Lead The Way: Gateway	Amber Smith	Amanda Kamman
FUNDamental Physics	Exceeding NGSS standards, See The Change USA is transforming middle school science education by bringing age-appropriate physics to sixth, seventh, and eighth grade students through a rigorous, curriculum-based, hands-on, on-demand (24/7) Program to reset the competitive position of America in the production of science based disciplines and critical thinkers.	6-8	X			See The Change	Christine Fischer	Christine Fischer
Learning Blade	Learning Blade provides a unique way to improve the number and diversity of students intending to pursue STEM careers through increasing awareness of a wide variety of STEM careers and by integrating a STEM context into multiple disciplines and classrooms, not just the science lab.	6-9	X			Learning Blade	Sheila Boyington	Sheila Boyington
Science Education for Public Understanding Program (SEPUP)	SEPUP provides curricula materials fully aligned to national standards and engage in real world problems and issues that motivate, provide context and serve as powerful, relevant case studies through which students learn core science concepts, collect, analyze and apply scientific evidence to the real world overarching unit issue, allowing students to experience and appreciate the interplay between STEM disciplines.	6-10	X			Science Education for Public Understanding Program (SEPUP)	Darin Christianson	Darin Christianson
Ten80 Student Racing Challenge	The Ten80 Student Racing Challenge is a project-based curriculum that engages students in the study of STEM as they reverse-engineer and test small radio-controlled (RC) cars for optimum performance in local schools and in national competitions.	6-12	X	X		Ten80 Student Racing Challenge	Darin Christianson	Darin Christianson
FIRST Tech Challenge (FTC)	FIRST Tech Challenge (FTC) is a community-focused robotics program while teaching students the value of hard work, innovation and creativity while going beyond the robotics competition by teaching teenagers the importance of working together, sharing ideas and treating each other with respect and dignity.	7-12		X	2012-2013	FIRST Tech Challenge	Rebecca Whitaker	Rebecca Whitaker

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Project Lead The Way: Engineering	Funding will assist Iowa schools in implementing and sustaining Project Lead The Way's Engineering program by providing funds for teacher training tuition for Principles Of Engineering as well as funding for VEX kits. Students will integrate design, engineering, and community into the design and manufacturing of a Gravity Race Car.	9-12	X			Project Lead The Way: Engineering	Amber Smith	Amanda Kamman
Slipstream		9-12	X	X		SLIPSTREAM	Ken Kunickis	Ken Kunickis
FIRST Robotics Competition Team	FIRST Robotics Competition combines the excitement of sport with the rigors of science and technology as students team with a teacher, volunteer mentors and business partners to create a robot for competition.	9-12		X		FIRST Robotics Competition Team	Kenton Swartley	Kenton Swartley
The CASE for Agriculture Education in Iowa	Curriculum for Agricultural Science Education, CASE, curricular materials provide a high level of STEM educational experiences to students to enhance the rigor and relevance of agriculture, food, and natural resources (AFNR) subject matter.	9-12	X		2012-2014	The CASE for Agriculture Education in Iowa	Matthew Eddy	Joshua Remington
Marine Science: The Dynamic Ocean	Marine Science: The Dynamic Ocean is a high school course offering authentically integrating STEM content and pedagogy in the context of the ocean.	12	X			Pearson Marine Science	Nick Raducanu	Nick Raducanu
Defined STEM	Defined STEM is a web based content resource that brings the core fundamentals of STEM education to life for all teachers and students within a school.	K-12	X		2013-2014	Defined STEM	Johnjoe Farragher	Johnjoe Farragher
Energize Me to Teach About Energy	The Energize Me program provides on-line professional development and face-to-face events to promote understanding of energy education content and methodology, increase interest in STEM topics and careers, and involve local energy related businesses and organizations with students, teachers, and schools.	K-12	X	X		Energy Education for Iowa	Patricia Higby	Patricia Higby Tracey
Classroom Cubed Program	Provide stereoscopic 3D teaching tools for math and science.	K-12	X			3D for STEM Learning	Tracey Marler	Masamoto Marler
HyperStream	HyperStream/IT-Adventures and VREP, either independently or in combination, fosters real-world learning for 5th-12th graders through hands-on technology projects, competitions, showcases and engaging presentations through after-school clubs or integrated into curriculum, combined with the opportunity to work with technology mentors.	5th-12th	X	X	2012-2014	HyperStream	Tamara Kenworthy	Tamara Kenworthy

2012-2013 Scale-Up Program

2013-2014 Scale-Up Program

2012-2014 Scale-Up Program

2013-2014
Scale-Ups
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